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Toxicology in Vitro will publish original research papers and occasional reviews on the use of *in vitro* techniques for determining the toxic effects of chemicals and elucidating their mechanisms of action. The Journal will encourage the submission of studies which, by utilizing cell or tissue culture, perfused organs, tissue slices, isolated cells or subcellular fractions, including enzymes and cell-receptors, investigate the mechanisms of toxic effects encountered *in vivo* or better characterize the relationship between *in vitro* and *in vivo* observations. All aspects of toxicology will be covered, including specific organ toxicity (e.g. neurotoxicity, nephrotoxicity), various toxic phenomena such as carcinogenesis or teratogenesis, and the development, characterization and validation of new *in vitro* models for the assessment and study of toxicity. The Journal's editorial policy will be firmly rooted in the need for high-quality science in support of health or safety decisions, and emphasis will be placed on results that facilitate evaluation of the hazard of chemicals to man and animals.

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